

Omada and VIGI Deploys 4,000+ Devices to Power Wi-Fi 6 and Surveillance in Japan

Project Scope

4,000+ devices provide Wi-Fi access across each floor while supporting surveillance cameras in key locations, managed from a central recorder.

Customer Profile

Name: JNETS Co., Ltd.

Industry: Residential

Location: Tokyo, Japan

Challenges

- High administrative burden on Wi-Fi access and surveillance
- Unstable Wi-Fi connections, disrupting residential events
- Difficulty in maintaining effective, quality security oversight
- Complicated network and surveillance setup

Solutions

- SG108PE Switch × 570
- AP615-WE Wall AP × 4,000
- VIGI NVR1016H × 20
- VIGI C345 Camera × 268

Omada and VIGI delivered a high-performance Wi-Fi 6 and surveillance solution for all units in a new Tokyo property, boosting value and reducing vacancy rates for owners.

Elevate Residential Wi-Fi Experience with Omada's Wi-Fi 6 Solution

With Omada's high-speed Wi-Fi 6 solution, residents can enjoy reliable and seamless Wi-Fi throughout the residence. The EAP615-WE model delivers dual-band speeds of up to 1,800 Mbps, utilizing 802.11ax technology to ensure dependable network performance. Additionally, EAP615-WE includes an RJ11 port, catering to residents who require a telephone line. To simplify management, the SSID and password are pre-set and recorded on the unit, allowing residents to access Wi-Fi immediately upon moving in. The SG108PE switch, equipped with 8 Gigabit ports—four of which support PoE+—is fully compatible with IP cameras, Wi-Fi 6 access points, IP phones, computers, printers, and more.

Advanced AI-Powered Surveillance for Enhanced Security

The installed VIGI C345 camera offers 4MP full-color imaging around the clock, ensuring crystal-clear visibility in all conditions. With AI detection, they alert security personnel and feature built-in alarms, microphones, and speakers for rapid response. Their advanced AI algorithms proactively identify anomalies like line crossing and object removal, enhancing security and minimizing risks in residential spaces. Additionally, durable aluminum alloy enclosures provide rust resistance and superior outdoor durability for a more robust solution compared to plastic models.

Secure and Efficient Centralized Management with VIGI NVR1016H

VIGI NVR1016H supports 16-channel simultaneous monitoring with 4K HDMI output and multi-site views, enhancing security across the residential property. All footage is securely stored on the NVR, allowing for instant playback. Using the VIGI app and NVR interface, residential security personnel can easily perform remote monitoring, including live view, playback searches, alarm checks, and smart detection. This enables the property manager to take swift and effective preventive actions to maintain a secure environment.

Easy Setup and Use Ensures Quick Connectivity and Surveillance

Omada EAP615-WE and VIGI C345 camera all support PoE and are compatible with the Omada SG108PE switch. This enables simultaneous transmission of internet and power to all VIGI surveillance systems, eliminating the need for

extra electrical wiring and simplifying cabling. As a result, installation costs are significantly reduced. Omada EAP615-WE also adheres to Japan's JIS standards for multimedia outlets, allowing for direct installation within outlet boxes. Its embedded design helps minimize physical failures.

High-Quality Services to Address All Concerns

Omada and VIGI offer customized solutions designed to address the unique challenges of the residential industry, delivering reliable, high-quality services while maintaining cost efficiency. With a dedicated enterprise community and skilled localization team on standby, Omada ensures professional after-sales support. As a result, JNETS Co., Ltd. plans to incorporate more Omada and VIGI devices in future projects.

“Networking installation has become an essential tool for everyone, regardless of the person or location. Omada and VIGI provides low-cost networking and surveillance products that can address your concerns, so we encourage you to consider their offerings.”

——Takeo Komatsubara, Manager at JNETS Co., Ltd.

